

# MICROMON MA400

## Welcome to BEHRINGER

Thank you for showing your confidence in us by purchasing the BEHRINGER MICROMON MA400, a monitor headphone amplifier that is both flexible and compact. On your headphones, you can simultaneously listen to two audio signals:

- one from a microphone
- one from a mixer or a Hi-Fi unit

You can even emphasize one signal over the other. Hear yourself sing, or concentrate on the main audio program. Both are possible.

♦ **Please read the safety instructions that appear at the end of this document.**

## Connectors and Control Elements

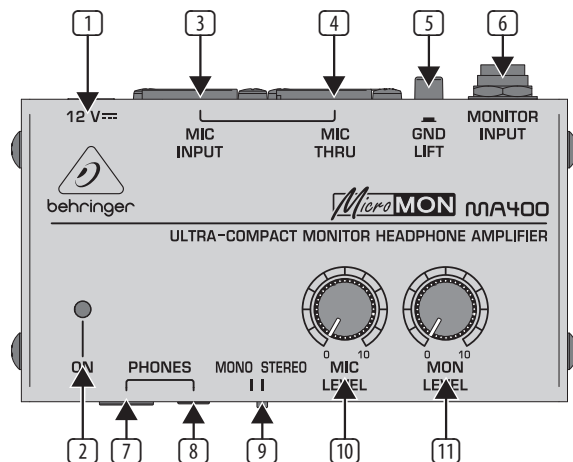


Fig. 1: MA400 connectors and control elements

♦ **High volumes can damage your hearing and your headphones. Before you use the MA400, turn the MIC LEVEL and MON LEVEL controls to 0 (zero).**

### 1 12 V $\overline{=}$ connector:

To connect the power supply unit to the MA400, use the 12 V connector. Connecting the power supply unit to the mains automatically switches the MA400 on. To disconnect the unit from the mains, pull out the main cord plug.

### 2 ON LED:

As soon as the unit is connected to the mains, the ON LED is illuminated.

### 3 MIC INPUT connector:

To send a microphone signal to the MA400, you need an audio cable that includes XLR connectors.

Plug:

- one XLR connector into the MIC INPUT connector
- the other XLR connector into the microphone

### 4 MIC THRU connector:

If you want to route the microphone signal from the MA400 to a mixer, you need an audio cable that includes XLR connectors.

Plug:

- one XLR connector into the MIC THRU connector
- the other XLR connector into a mic input on the mixer

### 5 GND LIFT button:

When you connect a mixer to the MA400, keep this button pushed out to maintain a ground connection to the mixer.

This connection prevents electrostatic charges from interfering with your audio signals.

However, if ground-loop hum interferes with your audio signals, you can break the ground connection between the MA400 and the mixer. To do this, push in the GND LIFT button.

### 6 MONITOR INPUT connector:

To send a signal from a mixer or Hi-Fi unit to the MA400, you need an audio cable that includes  $\frac{1}{4}$ " connectors (unbalanced/stereo TRS or unbalanced/mono TS).

Plug:

- one  $\frac{1}{4}$ " connector into the MONITOR INPUT connector
- the other  $\frac{1}{4}$ " connector into the AUX SEND of a mixer or, alternatively the output of a Hi-Fi unit

### 7 $\frac{1}{4}$ " PHONES connector, 8 $\frac{1}{8}$ " PHONES connector:

To connect headphones to the MA400, use the  $\frac{1}{4}$ " or, alternatively the  $\frac{1}{8}$ " PHONES connector.

♦ **Do not simultaneously use both PHONES connectors.**

### 9 MONO / STEREO switch:

To specify the type of mixer or Hi-Fi signal the MA400 receives, use this switch. If you plugged:

- a TS connector into the MONITOR INPUT, the MA400 receives a mono signal. Push this switch to MONO.
- a TRS connector into the MONITOR INPUT, the MA400 receives a stereo signal. Push this switch to STEREO.

### 10 MIC LEVEL control:

To adjust the volume of the microphone signal, slowly turn this control toward 0 (minimum volume) or, alternatively 10 (maximum volume).

### 11 MON LEVEL control:

To adjust the volume of the mixer or Hi-Fi signal, slowly turn this control toward 0 (minimum volume) or, alternatively 10 (maximum volume).

**SERIAL NUMBER:** To register your unit, use the serial number that is located on the bottom of the MA400.

## Warranty

For our current warranty terms, please refer to our website at <http://behringer.com>.

Die deutsche Anleitung ist erhältlich @ [behringer.com](mailto:behringer.com)

Manuel francophone en téléchargement sur [behringer.com](http://behringer.com)

Manual en español disponible en [behringer.com](http://behringer.com)

Manuali italiani disponibili @ [behringer.com](mailto:behringer.com)

Русскоязычное руководство @ [behringer.com](mailto:behringer.com)

Polska instrukcja dostępna jest pod adresem @ [behringer.com](mailto:behringer.com)

Nederlandse handleiding beschikbaar @ [behringer.com](mailto:behringer.com)

Suomenkielinen käyttöohje saatavilla osoitteesta [behringer.com](http://behringer.com)

Svensk manual finns tillgänglig på [behringer.com](http://behringer.com)

Dansk vejledning findes på @ [behringer.com](mailto:behringer.com)

Manual português disponível @ [behringer.com](mailto:behringer.com)

Ελληνικό εγχειρίδιο υπάρχει διαθέσιμο στη διεύθυνση [behringer.com](http://behringer.com)

日本語版マニュアル @ [behringer.com](mailto:behringer.com)

使用说明书可在 @ [behringer.com](mailto:behringer.com) 下载

# MICROMON MA400

EN

## Specifications

### MIC INPUT

Type	XLR connector
Impedance	approx. 2 k $\Omega$ (balanced)
Max. input level	-18 dBu
CMRR	typically 40 dB, >50 dB @ 1 kHz
Gain	40 dB
Bandwidth	15 Hz to 25 kHz

### MIC THRU

Type	XLR connector
------	---------------

### MONITOR INPUT

Type	¼" TRS or ¼" TS connector
Gain	10 dB
Bandwidth	10 Hz to 80 kHz

### PHONES OUTPUT

Type	¼" and ⅛" TRS connectors
Impedance	min. 30 $\Omega$
Max. output level	approx. +10 dBu (60 mW) @ 100 $\Omega$ load

### System Specifications

THD	0.005% typ. (100 $\Omega$ loading)
Signal-to-noise ratio	-90 dBu @ 0 dBu, A-weighted

### Powersupply

Mains connection	external power supply, 12 V / 150 mA
------------------	--------------------------------------

### Power Range

USA/Canada	120 V~, 60 Hz
China/Korea	220 V~, 50 Hz
U.K./Australia	240 V~, 50 Hz
Europe	230 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz
Power consumption	approx. 2 W

### Dimensions/Weight

Dimensions (H x D x W)	approx. 1 5/8" x 4" x 2 1/2" approx. 47 x 103 x 64 mm
Weight	approx. 0.84 lbs / 0.38 kg

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

### EN Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.

- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### ES Instrucciones de seguridad

- 1) Lea las instrucciones.
- 2) Conserve estas instrucciones.
- 3) Preste atención a todas las advertencias.
- 4) Siga todas las instrucciones.
- 5) No use este aparato cerca del agua.
- 6) Limpie este aparato con un paño seco.
- 7) No instale el equipo cerca de fuentes de calor.
- 8) Proteja los cables de suministro de energía de tal forma que no sean pisados o doblados.
- 9) Use únicamente los dispositivos o accesorios especificados por el fabricante.
- 10) Desenchufe el equipo durante tormentas o si no va a utilizarlo durante un periodo largo.
- 11) Confíe las reparaciones únicamente a servicios técnicos cualificados. Se requiere mantenimiento siempre que la unidad haya sufrido algún daño.

### RU Важные указания по технике безопасности

- 1) Прочитайте эти указания.
- 2) Сохраните эти указания.
- 3) Выполняйте эти указания.
- 4) Следуйте всем инструкциям по обслуживанию.
- 5) Не пользуйтесь прибором в непосредственной близости от воды.
- 6) Протирайте прибор сухой тряпкой.
- 7) Не располагайте прибор рядом с источниками тепла.
- 8) Прокладывайте сетевой кабель таким образом, чтобы он был защищён от обуви и острых кромок и не мог быть повреждён.
- 9) Применяйте только рекомендованные производителем дополнительные приборы/принадлежности.
- 10) Вынимайте вилку из розетки при грозе и длительных перерывах в эксплуатации прибора.
- 11) Поручайте выполнение работ по обслуживанию прибора только квалифицированному персоналу сервисной службы. Техническое обслуживание требуется если прибор был каким-то образом поврежден.

### CN 重要的安全须知

- 1) 请您阅读这些说明。
- 2) 请您妥善保存这些说明。
- 3) 请您注意所有的警告说明。
- 4) 请您遵守所有的操作说明。
- 5) 请您不要在水附近运行此机器。
- 6) 请您用干布清洁此机器。
- 7) 请您不要将此机器放置在热源附近。
- 8) 请您正确铺设电源线，使其不会被踩踏和被尖角损坏。
- 9) 请您只使用制造厂认为合适的附加机器 / 配件。
- 10) 在雷雨时或长期不使用机器时请您将电源插头拔出。
- 11) 请您只允许具备资格的服务人员进行保养工作。当机器有损坏时，要进行维修保养。

TECHNICAL SPECIFICATIONS AND APPEARANCES ARE SUBJECT TO CHANGE WITHOUT NOTICE AND ACCURACY IS NOT GUARANTEED. BEHRINGER IS PART OF THE MUSIC GROUP (MUSIC-GROUP.COM). ALL TRADEMARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS. MUSIC GROUP ACCEPTS NO LIABILITY FOR ANY LOSS WHICH MAY BE SUFFERED BY ANY PERSON WHO RELIES EITHER WHOLLY OR IN PART UPON ANY DESCRIPTION, PHOTOGRAPH OR STATEMENT CONTAINED HEREIN. COLORS AND SPECIFICATIONS MAY VARY FROM ACTUAL PRODUCT. MUSIC GROUP PRODUCTS ARE SOLD THROUGH AUTHORIZED FULL-FILLERS AND RESELLERS ONLY. FULL-FILLERS AND RESELLERS ARE NOT AGENTS OF MUSIC GROUP AND HAVE ABSOLUTELY NO AUTHORITY TO BIND MUSIC GROUP BY ANY EXPRESS OR IMPLIED UNDERTAKING OR REPRESENTATION. THIS MANUAL IS COPYRIGHTED. NO PART OF THIS MANUAL MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING AND RECORDING OF ANY KIND, FOR ANY PURPOSE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF MUSIC GROUP IP LTD.

ALL RIGHTS RESERVED.  
© 2012 MUSIC Group IP Ltd.  
Trident Chambers, Wickhams Cay, P.O. Box 146,  
Road Town, Tortola, British Virgin Islands